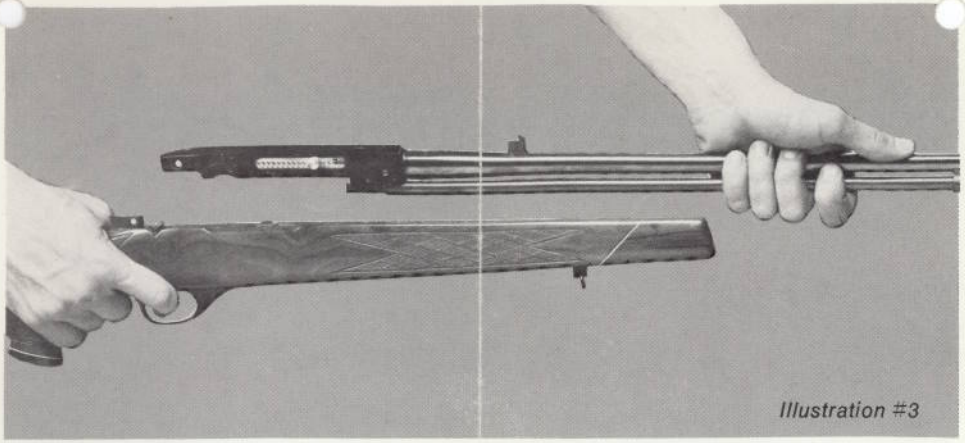


Illustration #3

3. Now depress barrel into stock until completely seated and move rearward until hole in the receiver and the hole in the safety block line up. Release bolt.

4. Reinsert takedown pin. Insert from the left side of receiver and press in until completely seated.

5. Replace inner magazine tube into outer magazine tube and lock.

CARE AND CLEANING:
As all auto-loading firearms are more sensitive to malfunctions caused by accumulations of dirt and powder fouling than *manually* operated firearms, it is important that your MARK XXII be kept clean.

TO CLEAN BORE:
BE SURE RIFLE IS UNLOADED! Pull back operating handle and leave bolt open. Insert cleaning rod from muzzle and use bristle brush or cloth patch saturated with solvent; follow with dry patch and lightly oiled patch.

TO CLEAN BOLT:
Clean face of bolt with brush or cloth saturated with solvent followed by dry cloth, then slightly oiled cloth. DO NOT USE EXCESSIVE OIL! Wipe exterior of metal parts with lightly oiled cloth or silicone cloth. Wipe stock with silicone cloth.

WARRANTY:
Your Weatherby MARK XXII rifle is a precision firearm manufactured of the finest materials and has been thoroughly inspected and tested in every phase of production. Attached to your rifle is your Weatherby Warranty. Be sure it is filled in and returned to the factory.

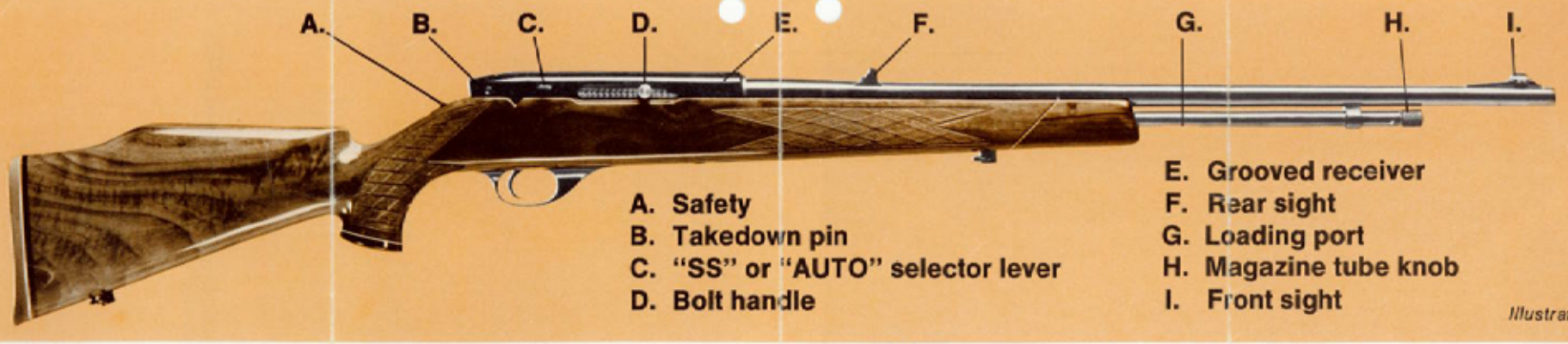
Weatherby

Weatherby

Deluxe Mark XXII Tubular Model

.22 semi-automatic

OWNER'S INSTRUCTION MANUAL



A. Safety
B. Takedown pin
C. "SS" or "AUTO" selector lever
D. Bolt handle
E. Grooved receiver
F. Rear sight
G. Loading port
H. Magazine tube knob
I. Front sight

Illustration #1

YOUR WEATHERBY MARK XXII is the finest production sporting .22 rimfire rifle made today. We have used the same precision techniques in its manufacture that we use for the Mark V big game magnums. The finest steels and alloys, selected stock wood, and close attention to details combine to give you a .22 built to last a lifetime.

SAFETY:
The safety (A—see illustration #1) is located conveniently on top of the tang where it can easily be reached with the thumb. To engage safety, pull back, exposing the "S." To release safety, push forward, covering the "S."

LOADING:
Use only .22 long rifle ammunition, regular or high speed. *CAUTION:* Before loading, make sure the bore is free of grease or obstructions!

1. Put rifle on "SAFE."
2. Close bolt by moving selector lever (C) either to "AUTO" or "SS" (single shot) position.
3. Unlock inner magazine tube by turning knurled knob (H) at end of tube.
4. Pull inner magazine tube forward until loading port (G) in outer magazine tube is open. Load cartridges in this open port, bullet end forward towards muzzle. When magazine tube is loaded to capacity, the last round loaded will show in the open port.
5. Close magazine by sliding inner magazine tube back into magazine. Slight rotation of inner magazine tube may be necessary to ease passage over loaded rounds.
6. When inner magazine tube is completely inserted, turn knurled knob to lock position in magazine. Note: Inner magazine tube will not lock properly if too many rounds are loaded into magazine.
7. Place selector lever in "AUTO" position.
8. Manually open and close bolt (D) one time. This will feed first round into the chamber. Rifle is now ready for use.

UNLOADING:
1. Move safety lever to "SAFE" position.
2. Pull inner magazine tube completely from magazine.
3. Turn rifle over and tilt muzzle slightly downward to allow loaded rounds to slide slowly from magazine. Shake rifle slightly to make sure all cartridges slide from magazine.
4. Return inner magazine tube to the magazine.

CAUTION: One or two cartridges may remain in the gun. It is therefore necessary to make certain both the chamber and the action are empty at this point. Place selector lever in "AUTO" position. Manually work bolt backward to extract the round in the chamber. Then work the bolt several times thereafter to make certain that the gun is empty.

FIRING:
The Single Shot Selector located just behind the operating handle on the right side can be set in two positions.

To fire your MARK XXII *semi-automatically* (one shot for each pull of the trigger until the magazine is empty) place the Selector on "AUTO." The fired cases will be ejected and the bolt will close automatically.

To fire your MARK XXII as a *single shot* rifle, place the Selector on "SS." After every shot the bolt will stay open. In order to release the bolt it will be necessary to push the Selector forward and this operation will close the bolt and chamber the next cartridge from the magazine. This is a valuable feature when teaching youngsters, especially when shooting on the range where safety is emphasized. The conscious effort required to close the bolt after each shot encourages deliberate thinking and actions... important in safety training.

SIGHTS:
Your MARK XXII is grooved for a telescopic sight (E). Follow scope manufacturer's recommendations for installation.

There are three folding leaf sight settings on your MARK XXII (F): 50, 75 and 100 yards. Invariably the 50-yard setting is the one most used. Practice in range estimation will help you greatly in making the most of the other two settings. Your MARK XXII was sighted in using high-speed ammunition. As with any .22 rimfire rifle a scope is recommended.

DISASSEMBLY:
BE SURE YOUR RIFLE IS UNLOADED!
1. Completely remove inner magazine tube from outer magazine tube.
2. Remove takedown pin (B) at rear of receiver by pushing from right to left (illustration #2).
3. With one hand, pull forward and lift upward on barrel (illustration #3). The barrel and receiver assembly will lift out of the stock.
4. The underside of the bolt and receiver recess may be cleaned as well as the hammer and selector assemblies. NO FURTHER DISASSEMBLY IS NECESSARY OR RECOMMENDED. Disassembly of the hammer, trigger and selector assemblies should only be performed by a competent gunsmith or at our factory.

Illustration #2

ASSEMBLY:
1. Carefully place barrel and receiver in stock slightly forward of its normal seating position. Barrel will not yet completely seat itself into the stock.
2. With one hand, pull bolt completely rearward.